



PTO/SB/08A (08-00)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for Form 1449/A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Complete if Known

Application No.	10/608,886
Filing Date	6/26/2003
First Named Inventor	Hembrough et al
Group Art Unit	1614
Examiner Name	Unassigned

Sheet 1 of 7

Attorney Docket Number 05213-3041 (43170-286877)

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)			
TH	1	5,352,664	A	Carney et al.	10/04/1994	
	2	5,399,352	A	Hanson	03/21/1995	
	3	5,446,131	A	Maraganore	08/29/1995	
	4	5,500,412	A	Carney et al.	03/19/1996	
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	10	6,063,847	A	Chackalamannil et al.	05/16/2000	
	11	6,077,990	A	Leung et al.	06/20/2000	
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	15	6,326,380	B1	Chackalamannil et al.	12/04/2001	
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	17	6,379,684	B1	Lezdey et al.	04/30/2002	
	18	6,387,942	B2	Teng et al.	05/14/2002	
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	22	6,489,308	B1	Shapiro	12/03/2002	
	23	6,559,128	B1	Hamn et al.	05/06/2003	
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				Group Art Unit	1614
				Examiner Name	Unassigned
Sheet	2	of	7	Attorney Docket Number	05213-3041 (43170-286877)

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TH	25	6,627,731	B1	Carney et al.	09/30/2003	
	26	6,645,987	B2	Chackalamannil et al.	11/11/2003	
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	35	2002/0026050	A1	Chackalammanil et al.	02/28/2002	
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TH	49	2003/0027209	A1	Huse	02/06/2003	
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TH	73	2004/0063903	A1	McComsey et al.	04/01/2004	
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Sheet	5	of	7	Attorney Docket Number	05213-3041 (43170-286877)

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
TH	92	CN	2002-80367		Yung Shin Pharmaceutical Ind. Co., LTD.	03/19/2002		No
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	97	WO	01/07072	A1	The Regents of the University of California	02/01/2001		
	98	WO	02/18562	A1	Teijin Limited	03/07/2002		No
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	100	WO	03/049723	A2	Kowa Company, LTD	06/19/2003		
	101	WO	03/079978	A2	Beth Israel Deaconess Medical Center	10/02/2003		
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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)					
TH	105	WO	99/50415	A2	Zymogenetics, Inc.	10/07/1999			

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TH	106	Author: VERMA, ALVING et al. Title: Adjuvant Effects of Liposomes Containing Lipid A: Enhancement of Liposomal Antigen Presentation and Recruitment of Macrophages (Abstract only)  Publ: Infect. Immun.  Vol/Iss: 60 (6) Pages: 2438-2444 Date: 1992			

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TH	1	WO	03/082231	A2	Johnson & Johnson Consumer Companies, Inc.	10/09/2003		
TH	2	WO	03/099841	A2	Johnson & Johnson Consumer Companies, Inc.	12/04/2003		

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TH	3	Author: AL-ANI et al. Title: Modified Proteinase-Activated Receptor-1 and -2 Derived Peptides Inhibit Proteinase-Activated Receptor-2 Activation by Trypsin Publ: The Journal of Pharmacology and Experimental Therapeutics Vol/Iss: 300 (2) Pages: 702-708 Date: 02/2002			
TH	4	Author: HAWTHORNE et al. Title: Antagonists of PAR2 on Human Skin Keratinocytes Identified Using a Microtitre Plate-Based Calcium Mobilisation Assay (Abstract Only) Publ: 13th International Symposium on Regulatory Peptides, Cairns, Queensland, Australia Vol/Iss: 94 (1-3) Pages: Date: 10/25/2000			

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TH	1	6,544,750	B1	Schmaier et al.	04/08/2003	
TH	2	6,740,657	B2	Maryanoff et al.	05/25/2004	

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<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document Number <sup>2</sup>	Kind Code <sup>3</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TH	1	5,001,116		Folkman et al.	03/19/1991	
	2	5,629,327		D'Amato	05/13/1997	
	3	5,639,725		O'Reilly et al.	06/17/1997	
	4	5,733,876		O'Reilly et al.	03/31/1998	
	5	5,792,845		O'Reilly et al.	08/11/1998	
	6	5,854,205		O'Reilly et al.	12/29/1998	
	7	5,919,459	A	Nacy et al.	07/06/1999	
	8	5,981,471		Papathanassiu et al.	11/09/1999	
	9	6,346,510	B1	O'Reilly et al.	02/12/2002	
V	10	6,413,513	B1	Holaday, John	07/02/2002	

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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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Substitute for Form 1449/A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Complete if Known				
				Application No.		10/608,886		
				Filing Date		06/26/2003		
				First Named Inventor		Hembrough et al.		
				Group Art Unit		1614		
				Examiner Name		Unassigned		
Sheet	2	of	3	Attorney Docket Number		05213-3041 (43170-286877)		
FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
TH	11	WO	01/52883	A1	Amgen, Inc.	01/19/2001		

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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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Sheet	3	of	3	Attorney Docket Number	05213-3041 (43170-286877)
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T*
TH	12	Author: AL-ANI et al. Title: Proteinase-Activated Receptor 2 (PAR2): Development of a Ligand-Binding Assay Correlating with Activation of PAR2 by PAR1 - and PAR2-Derived Peptide Ligands (Abstract only) Pub: Journal of Pharmacology Vol/Iss: 290 (2) Pages: 753-760 Date: 08/1999			
TH	13	Author: BACH Title: Initiation of Coagulation by Tissue Factor Pub: CRC Crit Rev Biochem Vol/Iss: 23 (4) Pages: 339-368 Date: 1988			
TH	14	Author: CRUM, R. et al. Title: A New Class of Steroids Inhibits Angiogenesis in the Presence of Heparin or a Heparin Fragment Pub: Science Vol/Iss: 230 Pages: 1375-1378 Date: 12/20/85			
TH	15	Author: ENJOJI, K. et al. Title: Effect of Heparin on the Inhibition of Factor Xa by Tissue Factor Pathway Inhibitor: A Segment, Gly <sup>212</sup> -Phe <sup>249</sup> , of the third Kunitz Domain is a Heparin-Binding Site Pub: Biochemistry Vol/Iss: 34 (17) Pages: 5725-5735 Date: 1995			
TH	16	Author: FOLKMAN, J. Title: Tumor Angiogenesis: Therapeutic Implications Pub: New England Journal of Medicine Vol/Iss: 285 (21) Pages: 1182-1186 Date: 11/18/71			
TH	17	Author: MILIA et al. Title: Protease-activated Receptor-2 Stimulates Angiogenesis and Accelerates Hemodynamic Recovery in a Mouse Model of Hindlimb Ischemia (Abstract only) Pub: Circ. Res. Vol/Iss: 91 (4) Pages: 346-352 Date: 2002			
TH	18	Author: NOVOTNY, W.F. et al. Title: Purification and Characterization of the Lipoprotein-Associated Coagulation Inhibitor from Human Plasma Pub: Journal of Biological Chemistry Vol/Iss: 264 Pages: 18832-18837 Date: 11/05/89			

Examiner Signature	/Thomas Heard/	Date Considered	11/04/2006
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.